

What is claimed is:

1 1. A mouse assembly comprising:

2 a base having an open top;

3 a frame received in the open top of the base, the frame having a protrusion which has  
4 a passage defined therethrough;

5 a trace sphere rotatably engaged with passage of the frame and a reflection board  
6 received in the protrusion and located below the trace sphere, a circuit board connected to an  
7 underside of the frame and located below the reflection board, electronic parts and a limit  
8 switch connected to an underside of the circuit board, the limit switch adapted to face a surface  
9 on which the base is put, and

10 a flexible water-proof plate mounted to a top of the protrusion of the frame and having  
11 an aperture with which the trace sphere is engaged.

1 2. The mouse assembly as claimed in claim 1, wherein the frame has a plurality of legs and each  
2 leg having a spring connected thereto, an under board connected to an underside of the base  
3 and the springs biased between the legs and the under board.

1 3. The mouse assembly as claimed in claim 1, further comprising a retaining collar received in the  
2 passage in the protrusion and a lower portion of the trace sphere being engaged with the collar.

1 4. The mouse assembly as claimed in claim 1, further comprising a protection plate engaged with  
2 the aperture of the flexible water-proof plate so as to retain an upper portion of the trace sphere.

1 5. The mouse assembly as claimed in claim 1, wherein a length of each of the legs is shorter than  
2 a distance from the circuit board to the limit switch.